



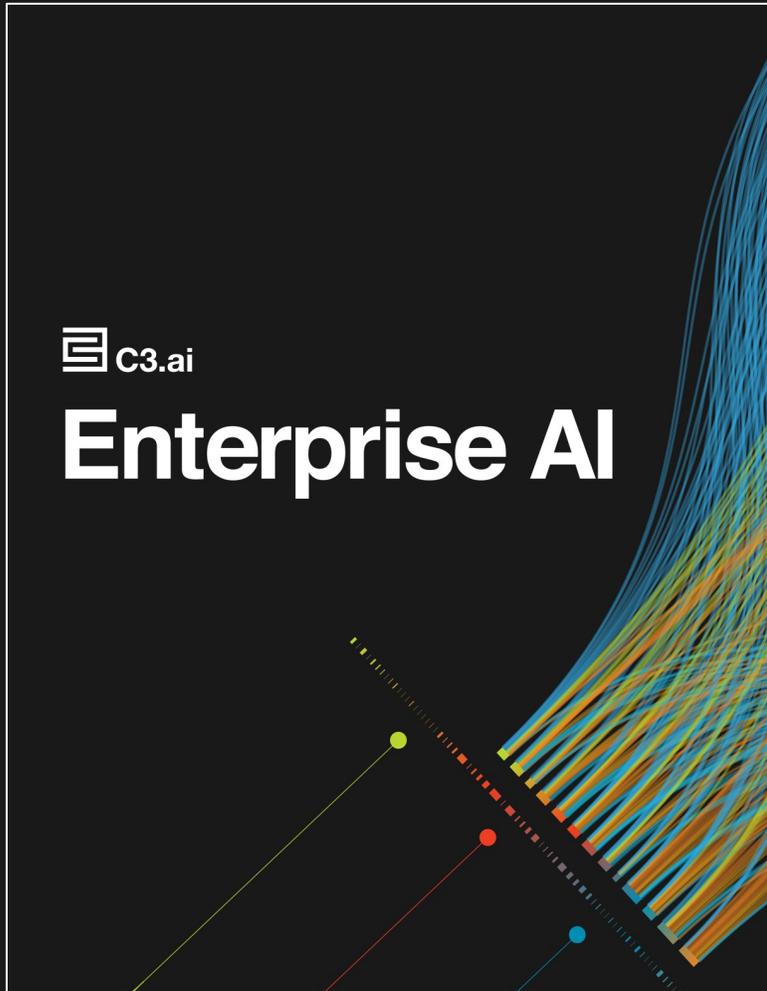
# IARPA ReSCIND

## C3 AI Lightning Presentation

*Aaron Brown, AI Solutions Manager - Federal*

**28<sup>th</sup> February 2023**

# C3 AI At A Glance



C3.ai is a publicly traded Enterprise AI software company (NYSE: AI)

\$750M invested in our AI platform and AI application stack over past 11 years, recent IPO to invest another ~\$1B into our AI platform and AI applications

Goals are providing enterprises:

- The capability to deploy and consolidate true AI across the entire enterprise of a Fortune 500
- The ability to develop and deploy custom AI applications 25x faster
- Pre-packaged industry specific AI applications that can be implemented in short order

## 1.8 Billion

Predictions per day

## 36.1 Billion

Machine learning features evaluated daily

## 25.6 Trillion

Data Elements Managed

## 1,010

Unique enterprise and extraprise source data integrations

## 50 Million

Businesses and consumers touched daily

# C3 AI Has Extensive Commercial & Government Experience

Financial Services	Manufacturing	Aerospace & Defense	Healthcare	Oil & Gas	Utilities	Energy Sustainability	Telecom
 BANK OF AMERICA    Standard Chartered  	    Johnson Controls    	                U.S. AIR FORCE  RAPID SUSTAINMENT OFFICE 		              YOKOGAWA 	      	    SUNPOWER®     THE OHIO STATE UNIVERSITY      CommonSpirit   	

# C3 AI Funds & Enables Advanced Cyber-AI Research

## Advanced Persistent Threats



Deep-Learning Detection Algorithms for Advanced Persistent Attacks in Mixed-Autonomy Traffic: Design and Experimental Validation



AI Support for Cybersecurity

## Anomaly Detection



Continuously and Automatically Discovering and Remediating Internet-Facing Security Vulnerabilities



AI Techniques for Power Systems Under Cyberattacks



Physics-aware AI-based Approach for Cyber Intrusion Detection in Substation Automation Systems

## AI Resilience



High Performance Provably Robust AI Methods for Cybersecurity Tasks on Critical Infrastructure,



REFL: Resilient Distributed Cybersecurity Learning System



Scalable, Secure Machine Learning in the Presence of Adversaries



Fundamental Limits on the Robustness of Supervised Machine Learning Algorithms

## Securing Critical Cyber-Physical Infrastructure



Cyber Safety Cage for Networks



Security for Large-Scale Infrastructure using Probabilistic Programming,



A Compositional Neural Certificate Framework for Securing Critical Networked Infrastructure



Democratizing AI-Driven Security Workflows for Critical Energy Infrastructure



Semantic Adversarial Analysis for Secure Critical Infrastructure

## Forensics



Causal Reasoning for Real-Time Attack Identification in Cyber-Physical Systems



Statistical Learning Theory and Graph Neural Networks for Identifying Attack Sources



Robust and Scalable Forensics for Deep Neural Networks

## Vulnerability Identification



GAN-Aided Automatic Test Case Generation



Machine Learning for JavaScript Vulnerability Detection

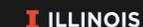
## Insider Threats



Protecting Critical Infrastructures Against Evolving Insider Threats



Multi-Facet Rare Event Modeling of Adaptive Insider Threats



AI-Supported Nudging for Cyber-Hygiene

## Securing Emerging Financial Infrastructure



An Intelligence Platform for Better Security in Decentralized Finance



Blockchain Forensics

# C3 AI Platform Speeds Prototype to Production Time



## Modular Open Systems Approach (MOSA)

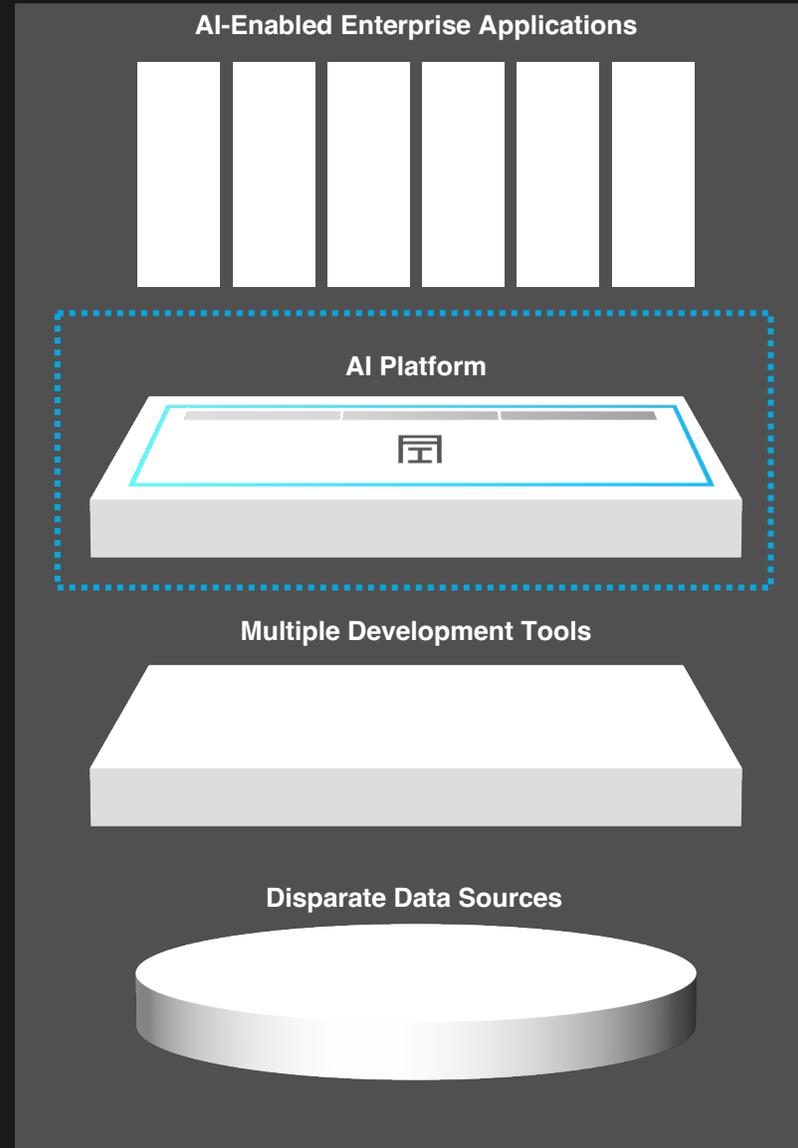
C3 AI's model-driven architecture fuses existing and future technologies to future-proof and enable teaming.

## Machine Learning Pipelines

The C3 AI Platform has composable multi-step, reusable pipelines for anomaly detection, classification, and more, enabling the ensemble of pre-trained or custom models

## Rapid Iteration

C3 AI's model-driven architecture enables developers and data scientists to work in parallel, avoid time-intensive cleaning, and put models into production with a single click.



## Integrated AI Workflows

C3 AI configures applications to match existing workflows and can write/read from existing technology.



## SME Input Loops

The C3 AI Platform and applications enable SMEs to quickly provide feedback to models to decrease iteration cycle time.

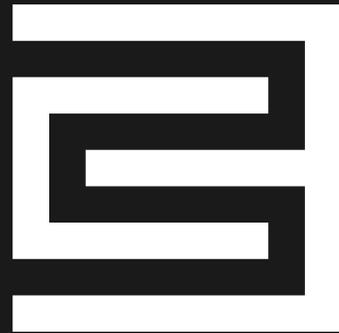


## No Data or IP Right Claims

Customers who develop on the C3 AI Platform retain access to all data and application IP

# C3 AI's Enterprise AI Software





**C3.ai**